vectors, each column vector being addressed by signals or elements of a sampled input data example, and each column vector having cell values being determined during a training process based on one or more sets of training input data examples,

storage means for storing one or more output score functions and/or one or more decision rules, each output score function and/or decision rule being determined during a training or validation process based on one or more sets of validation input data examples, said system further comprising:

input means for receiving an input data example to be classified, means for sampling the received input data example and addressing column vectors in the stored set of n-tuples or LUTs,

means for addressing specific rows in the set of n-tuples or LUTs, said rows corresponding to a specific class,

means for determining output score values using the stored output score functions and at least part of the stored column vector values, and

means for determining a winning class or classes based on the output score values and stored decision rules.

REMARKS

The claims have been amended to correct dependencies and delete multiple dependents and to place the application into better form for examination. Entry of the present amendment and favorable action on the above-identified application are respectfully requested.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

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